

# Rural District of Warwick

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## ANNUAL REPORT

OF THE

HEALTH OF THE DISTRICT

FOR THE YEAR 1967

BY

D. LIVINGSTONE, M.B., D.P.H.,

MEDICAL OFFICER OF HEALTH

OF THE

# Warwickshire Combined Districts

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Leamington Spa

A. TOMES LTD., PRINTERS, 46, BEDFORD STREET

1968



38 HOLLY WALK,

LEAMINGTON SPA,

July 25th, 1968.

**To the Council of the Rural District of  
WARWICK**

Mr. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to make to you the Annual Report for 1967 concerning the health of your district. The health statistics of the district were once more satisfactory. Of all causes of death, diseases etc. of the heart and great blood vessels formed the larger group comprising 42% of the whole. Next in order of importance were respiratory illness with 63 out of 324 deaths (19%) and Cancer (15%) with 50 deaths. These percentages repeat last year's pattern.

This report is again much concerned with work done in relation to sewerage schemes. This reduced the collection of pail closets and also demand for the cesspool emptying service. The pace of housing development has long strained the refuse collection service, but has also outrun sewage works capacity and led to objections from the River Authority.

The Council has continued to record daily measurements of air pollution at its measuring station in Whitnash. The Royal Show's sanitary and hygiene services were once more well arranged by the Surveyor and his staff. This year's problem was how to lay the dust stirred up by vehicles at the entrances to and within the show ground itself under conditions of low water pressure in the mains.

Speaking generally the basic standards of kitchen hygiene left a great deal to be desired and further attentions will be given to this next year. Your inspectors have to cover many separate premises within a short week and deal with a variety of contractors and methods which are also liable to change from year to year.

I have to thank the Council for its kind interest in the department's work and support at all times. Thanks are also due to the Clerk, Mr. Lyne, Messrs. Qualtrough and Hammond and other officers for their courtesy and help.

I am,

Your obedient servant,

D. LIVINGSTONE,

Medical Officer of Health.

# Warwick Rural District.

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## A. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

|   |     |     |              |
|---|-----|-----|--------------|
| Population (estimated) Mid-year, 1967                   | ... | ... | 25,480       |
| Area of district  | ... | ... | 55,896 acres |
| Product of penny rate                                   | ... | ... | £3,660       |
| Total number of permanent dwellinghouses and flats      | ... | ... | 7,353        |
| Birth Rate per 1,000 population (Crude)                 | ... | ... | 16.7         |
| Birth Rate per 1,000 population (Corrected)             | ... | ... | 15.6         |
| Still Birth Rate—Rate per 1,000 total births            | ... | ... | 11.6         |
| Death Rate per 1,000 population (Crude)                 | ... | ... | 12.7         |
| Death Rate per 1,000 population (Corrected)             | ... | ... | 10.1         |
| Death Rate of Infants under 1 year of age:—             |     |     |              |
| All Infants per 1,000 live births                       | ... | ... | 23.4         |
| Legitimate Infants per 1,000 legitimate live births     | ... | ... | 21.8         |
| Illegitimate Infants per 1,000 illegitimate live births | ... | ... | 7.1          |

*Population.*—The population rose more than the excess of births over deaths which was only 102.

Details of statistics for the past few years are given in Table II.

## B. GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

*Medical Officer of Health.*

F. D. M. LIVINGSTONE, M.B., B.Chir.,  
M.R.C.P., D.P.H.

*Deputy Medical Officer of Health.*

M. V. RICHARDS, M.B., Ch.B., D.C.H., D.P.H.

*Public Health Officers.*

*Senior Public Health Inspector.*

E. ARTHUR LYNE, Cert. Public Health Inspector, Cert. Inspector of Meat and Other Foods.

*Deputy Senior Public Health Inspector.*

W. E. QUALTROUGH, Cert. Public Health Inspector. Cert. Inspector of Meat and Other Foods. Cert. Smoke Inspector.



*Additional Public Health Inspector:*

R. D. HAMMOND, Cert. Public Health Inspector  
Cert. Inspector of Meat and Other Foods.

*Pupil Public Health Inspector:*

B. P. STANDBRIDGE

*Clerks:*

Mrs. E. C. RAINFORD.

\*S. BUCKLEY

\*Miss B. GIBBONS WARD.

\* (Members of L.H.A. Clerical Staff with part-time allocated to services of Joint Sanitary Committee, M.O.H.'s office).

### C. SANITARY CIRCUMSTANCES OF AREA

*Water.*—The water supply is provided by the South Warwickshire Water Board. The supplies have sufficed in quantity and quality and are not plumbo-solvent.

Regular analyses have been made and supplies chlorinated as necessary.

#### WATER ANALYSIS

Results expressed in parts per 1,000,000

Received on 24th January, 1967.

From: South Warwickshire Water Board.

| Description  | Shrewley<br>Borehole<br>24/1/67 | Rowington<br>Borehole<br>24/1/67 | Leek Wootton<br>Borehole<br>24/1/67 | Budbrooke<br>Borehole<br>24/1/67 | Whitnash<br>Borehole<br>24/1/67 |
|--|---------------------------------|----------------------------------|-------------------------------------|----------------------------------|---------------------------------|
| Appearance: Bright, few small particles              |                                 |                                  |                                     |                                  |                                 |
| Ammoniacal Nitrogen                                  | 0.14                            | 0.12                             | 0.13                                | 0.15                             | 0.01                            |
| Albuminoid Nitrogen                                  | 0                               | 0                                | 0                                   | 0.007                            | 0.007                           |
| Chlorine in Chlorides                                | 17.6                            | 19.6                             | 23.1                                | 133.0                            | 39.8                            |
| Nitrate Nitrogen                                     | 0.2                             | 0                                | 1.5                                 | 0.2                              | 4.7                             |
| Oxygen absorbed from permanganate at 27°C in 4 hours | 0                               | 0                                | 0                                   | 0.2                              | 0.1                             |
| Totals Solids dried at 100°C                         | 440                             | 380                              | 425                                 | 620                              | 600                             |
| Nitrite Nitrogen                                     | 0                               | 0                                | 0.004                               | 0                                | 0                               |
| pH   | 7.5                             | 7.8                              | 7.3                                 | 7.8                              | 7.65                            |
| Free Chlorine  | 0                               | 0                                | ;                                   | 0                                | 0                               |
| Hardness { Temporary                                 | 115                             | 140                              | 250                                 | 135                              | 0                               |
| Permanent  | 55                              | 10                               | 30                                  | 125                              | 265                             |
| Total  | 170                             | 150                              | 280                                 | 260                              | 185                             |
| Radioactivity  | —                               | —                                | —                                   | —                                | 450                             |
| Lead   | —                               | —                                | —                                   | —                                | —                               |
| Copper and Zinc: less than                           | —                               | —                                | —                                   | —                                | —                               |
| Disolved Carbon Dioxide                              | —                               | —                                | —                                   | —                                | —                               |
| Alkalinity as Carbonate                              | —                               | —                                | —                                   | —                                | —                               |
| Electrical Conductivity @ 20°C                       | 586                             | 536                              | 595                                 | 829                              | 731                             |
| Fluoride F.  | micromhos<br>0.05               | micromhos<br>0.0                 | micromhos<br>0.10                   | micromhos<br>0.05                | micromhos<br>0                  |

The number of houses within the District supplied from public mains direct is 7,187. The population served is 21,492.

6 houses within the district are supplied by standpipes from the Board's distribution system out of a total of 11 houses.

## D. HOUSING

The construction of new Council houses continued throughout 1967 and during the year the estate at Weston-under-Wetherley was completed. This provided 32 units of accommodation. At Lapworth 10 bungalows for the elderly were completed and ready for occupation at the end of December. Approval was given for the construction of 6 houses and 4 bungalows at Baddesley Clinton and by the end of the year this scheme had commenced.

A total of 28 unfit houses were demolished in 1967, 13 being in Clearance Areas and the remaining 15 subject to Demolition Orders; of these latter, 2 were demolished by this Council in default of the owner.

Other action under the Housing Act is summarised as follows:—

|   | 1966 | 1967 |
|---|------|------|
| 1. (a) <i>Individual Houses</i>           |      |      |
| Subject to Demolition<br>Orders ... ..    | 14   | 2    |
| Subject to Closing Orders                 | 2    | 6    |
| Unfit houses made fit                     | 1    | 0    |
| (b) Clearance Orders made ...             | 1    | 1    |
| Clearance Orders confirmed                | 0    | 1    |
| (c) <i>Certificates of Disrepair</i>      |      |      |
| Application made ...                      | 0    | 0    |
| Applications for can-<br>cellation ... .. | 1    | 0    |

2. *Overcrowding*.—There was no case of overcrowding reported during the year.

3. The following table shows the number of houses built by the Council up to 31st December 1967:—

|                    | <i>T.</i> | <i>S.</i> | <i>P.</i> | <i>Total</i> |
|--------------------|-----------|-----------|-----------|--------------|
| Baddesley Clinton  | —         | —         | 14        | 14           |
| Baginton ...       | —         | —         | 44        | 44           |
| Barford ...        | —         | —         | 80        | 80           |
| Beausale ...       | —         | 2         | 12        | 14           |
| Bubbenhall ...     | —         | —         | 32        | 32           |
| Cubbington ...     | 10        | —         | 205       | 215          |
| Hatton ...         | —         | —         | 32        | 32           |
| Lapworth ...       | —         | 2         | 66        | 68           |
| Leek Wootton ...   | —         | —         | 24        | 24           |
| Radford Semele ... | 10        | 4         | 116       | 130          |
| Rowington ...      | —         | —         | 40        | 40           |
| Shrewley ...       | —         | 2         | 14        | 16           |
| Stoneleigh ...     | —         | 2         | 36        | 38           |
| Tachbrook ...      | 10        | —         | 138       | 148          |
| Weston-u-Wetherley | —         | —         | 39        | 39           |
| Whitnash ...       | 10        | —         | 110       | 120          |
| Totals ...         | 40        | 12        | 1002      | 1054         |

*T.* Temporary.    *S.* Swedish.    *P.* Permanent.

4. *Common Lodging Houses*.—There are none in this district.

## E. INSPECTION AND SUPERVISION OF FOOD

1. *Milk*.—One distributor was registered during the year.

The County Medical Officer of Health has supplied information concerning routine samples taken for biological examination and keeping quality as set out in sub-paragraphs (a) and (b).

(a) *Food and Drugs Act 1955, section 31.*

9 samples.    All results negative for tubercle bacilli.

(b) *Milk (Special Designation) Regulations 1963-65.*

| <i>Designation of Milk</i> | <i>No. of Samples</i> | <i>Tests Failed</i> |                    |                  |
|----------------------------|-----------------------|---------------------|--------------------|------------------|
|                            |                       | <i>Meth. Blue</i>   | <i>Phosphatase</i> | <i>Turbidity</i> |
| Untreated                  | 7                     | 1                   | —                  | —                |
| Pasteurised                | 66                    | 2                   | 0                  | —                |
| Sterilised                 | 3                     | —                   | —                  | 0                |
| Ultra Heat Treated         | —                     | —                   | —                  | —                |



2. *Ice Cream*.—One new premises was registered for the storage and sale of ice cream during the year.

3. *Meat Inspection*.—796 animals were slaughtered and inspected in 1967, this being a decrease of 17 on the previous year. The percentage of the number of cows affected with disease other than tuberculosis and cysticerci increased from 34.8 to 46.8, but the percentage of pigs found to be affected with tuberculosis remained constant at 1. The two slaughterhouses in use are at Central Hospital, Hatton and at Bubbenhall.

4. *Poultry Processing Premises*.—There are no such premises within the district.

# MEAT INSPECTION

## Carcases and Offal inspected and condemned in whole or part

|   | Cattle<br>Excluding<br>Cows | Cows  | Calves | Sheep<br>and<br>Lambs | Pigs  | Horses |
|---|-----------------------------|-------|--------|-----------------------|-------|--------|
| Number killed ... ..  | 42                          | 160   | 1      | 397                   | 196   | Nil    |
| Number inspected ... ..   | 42                          | 160   | 1      | 397                   | 196   | Nil    |
| <i>All diseases except Tuberculosis and Cysticerci</i> ...<br>Whole carcasses condemned ... ..        | Nil                         | Nil   | Nil    | Nil                   | 1     | Nil    |
| Carcases of which some part or organ was condemned ... ..   | 3                           | 75    | Nil    | 20                    | 6     | Nil    |
| Percentage of the number inspected affected with disease other than Tuberculosis or Cysticerci ... .. | 7.5%                        | 46.8% | Nil    | 5.02%                 | 3.57% | Nil    |
| <i>Tuberculosis only:</i><br>Whole carcasses condemned ... ..   | Nil                         | Nil   | Nil    | Nil                   | Nil   | Nil    |
| Carcases of which some part or organ was condemned ... ..   | Nil                         | Nil   | Nil    | Nil                   | 2     | Nil    |
| Percentage of number inspected affected by Tuberculosis ... ..  | Nil                         | Nil   | Nil    | Nil                   | 1.01% | Nil    |
| <i>Cysticercosis:</i><br>Carcases of which some part or organ was condemned ... ..                    | Nil                         | Nil   | Nil    | Nil                   | Nil   | Nil    |
| Carcases submitted to treatment by refrigeration ... ..   | Nil                         | Nil   | Nil    | Nil                   | Nil   | Nil    |
| Generalised and totally condemned ... ..  | Nil                         | Nil   | Nil    | Nil                   | Nil   | Nil    |

## F. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE

### *Incidence of Major Infectious Diseases since 1959*

|      |     | Dysentery | Food<br>Poisoning | Scarlet<br>Fever | Enteric<br>Fever | Pneumonia | Anterior<br>Poliomyelitis | Puerperal<br>Pyrexia |
|------|-----|-----------|-------------------|------------------|------------------|-----------|---------------------------|----------------------|
| 1960 | ... | 17        | 22                | 25               | —                | 15        | —                         | —                    |
| 1961 | ... | 14        | 12                | 3                | —                | 12        | —                         | —                    |
| 1962 | ... | 16        | 5                 | 5                | —                | 8         | —                         | 1                    |
| 1963 | ... | 57        | 21                | 16               | —                | 5         | —                         | —                    |
| 1964 | ... | 13        | 20                | 6                | —                | 18        | —                         | 1                    |
| 1965 | ... | 30        | 2                 | 5                | —                | 2         | —                         | 1                    |
| 1966 | ... | 24        | 5                 | 1                | —                | 2         | —                         | 1                    |
| 1967 | ... | 14        | —                 | 10               | —                | 4         | —                         | 1                    |

Reference to Table III will give the age distribution of the cases notified during 1967.

Apart from measles there was no prevalence of a single disease to a significant degree except for the total of 14 notifications of dysentery. Most of these concerned children of or below school age and clearly this disease will not be controlled without stricter hygiene instruction being given to young people.

## TUBERCULOSIS

This year there were 6 new notifications and 2 deaths.

The following table shows the past incidence of Tuberculosis in the Warwick Rural District :—

|        |     | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 |
|--------|-----|------|------|------|------|------|------|------|
| Cases  | ... | 22   | 26   | 26   | 28   | 28   | 30   | 33   |
| Deaths | ... | 6    | 6    | 2    | 3    | 1    | 5    | 7    |
|        |     | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
| Cases  | ... | 46   | 55   | 25   | 22   | 26   | 20   | 14   |
| Deaths | ... | 5    | 7    | 5    | 1    | 1    | 2    | 1    |
|        |     | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 |      |
| Cases  | ... | 9    | 11   | 11   | 5    | 3    | 6    |      |
| Deaths | ... | 1    | 4    | —    | —    | 2    | 3    |      |

| Age<br>Periods  | New Cases      |    |              |    | Transfers into<br>District |    |              |    | Deaths         |    |              |    |
|-----------------|----------------|----|--------------|----|----------------------------|----|--------------|----|----------------|----|--------------|----|
|                 | Pul-<br>monary |    | Non-<br>Pul. |    | Pul-<br>monary             |    | Non-<br>Pul. |    | Pul-<br>monary |    | Non-<br>Pul. |    |
|                 | M.             | F. | M.           | F. | M.                         | F. | M.           | F. | M.             | F. | M.           | F. |
| 0               | —              | —  | —            | —  | —                          | —  | —            | —  | —              | —  | —            | —  |
| 1-5             | —              | —  | —            | —  | —                          | —  | —            | —  | —              | —  | —            | —  |
| 5-10            | —              | —  | —            | —  | —                          | —  | —            | 1  | —              | —  | —            | —  |
| 10-15           | —              | —  | —            | —  | —                          | —  | —            | —  | —              | —  | —            | —  |
| 15-20           | —              | —  | —            | —  | —                          | —  | —            | —  | —              | —  | —            | —  |
| 20-25           | —              | 1  | —            | —  | 1                          | —  | —            | —  | —              | —  | —            | —  |
| 25-35           | —              | 1  | —            | —  | 2                          | 2  | —            | —  | —              | —  | —            | —  |
| 35-45           | 1              | —  | —            | 1  | —                          | 1  | —            | —  | —              | —  | —            | —  |
| 45-55           | —              | —  | —            | —  | 1                          | —  | —            | —  | —              | —  | —            | —  |
| 55-65           | 1              | —  | —            | —  | —                          | —  | —            | —  | 1              | —  | —            | —  |
| 65 &<br>upwards | —              | —  | 1            | —  | —                          | —  | —            | —  | 1              | —  | 1            | —  |
|                 | 2              | 2  | 1            | 1  | 4                          | 3  | —            | 1  | 2              | —  | 1            | —  |

B.C.G. vaccine may be given to:—

(i) *School Leavers.*

Children in their 13th year are offered vaccination if negative reactors to a skin test (Heaf test).

(ii) *Special risk workers.*

e.g. medical students, hospital nurses, etc.

The local health authority includes the figures for rural district residents inoculated within the central area total. Work done at High or Grammar Schools within your district was as follows:—

|     |                                |     |     |     |
|-----|--------------------------------|-----|-----|-----|
| (A) | Skin Tests (Heaf)              | ... | ... | 399 |
| (B) | Number positive                | ... | ... | 46  |
| (C) | Negative reactors vaccinated   |     |     |     |
|     | B.C.G.                         | ... | ... | 329 |
| (D) | Absent for reading of test     | ... |     | 24  |
| (E) | Further investigation of chest | ... |     | 18  |



## APPENDIX FOR 1967

### FACTORIES ACT, 1961

#### *Prescribed Particulars on the Administration of the Factories Act, 1961*

#### Part I of the Act

#### 1.—INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors).

| Premises<br>(1)  | Number<br>on<br>Register<br>(2) | Number of          |                           |                                |
|--|---------------------------------|--------------------|---------------------------|--------------------------------|
|  |                                 | Inspections<br>(3) | Written<br>notices<br>(4) | Occupiers<br>prosecuted<br>(5) |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities .....                     | Nil                             | Nil                | Nil                       | Nil                            |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority .....                     | 36                              | 43                 | 3                         | Nil                            |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ..... | 12                              | 12                 | 1                         | Nil                            |
| Total .....  | 48                              | 55                 | 4                         | —                              |

#### 2.—Cases in which DEFECTS were found.

| Particulars<br>(1)  | Number of cases in which defects were found |                 |   |                             | Number of cases in which prosecutions were instituted<br>(6) |
|---|---|-----------------|---|-----------------------------|--|
|   | Found<br>(2)                                | Remedied<br>(3) | Referred<br>To H.M.<br>Inspector<br>(4) | By H.M.<br>Inspector<br>(5) |  |
| Want of cleanliness (S.1) .....   | —   | —               | —                                       | —                           | —  |
| Overcrowding (S.2) .....  | —   | —               | —                                       | —                           | —  |
| Unreasonable temperature (S.3) .....  | —   | —               | —                                       | —                           | —  |
| Inadequate ventilation (S.4) .....  | —   | —               | —                                       | —                           | —  |
| Ineffective drainage of floors (S.6) .....  | —   | —               | —                                       | —                           | —  |
| Sanitary Conveniences (S.7) :   |   |                 |   |                             |  |
| (a) Insufficient .....  | —   | —               | —                                       | —                           | —  |
| (b) Unsuitable or defective .....   | 4   | 3               | —                                       | —                           | —  |
| (c) Not separate for sexes .....  | —   | —               | —                                       | —                           | —  |
| Other offences against the Act<br>(not including offences relating<br>to Outwork) ..... | —   | —               | —                                       | —                           | —  |
| Total .....   | 4   | 3               | —                                       | —                           | —  |

**Part VIII of the Act**  
**Outwork**  
**(Sections 133 and 134)**

NIL Return.

**NATIONAL ASSISTANCE ACTS, 1948 AND 1951**

Section 47 of the 1948 Act provides that where persons—

- (a) are suffering from grave chronic disease or, being aged, infirm or physically incapacitated are living in insanitary conditions and
- (b) are unable to devote to themselves, and are not receiving from other persons, proper care and attention, and the Medical Officer of Health gives a written certificate in the prescribed form, the local authority may apply to a court, having jurisdiction, for an order to remove the person to a suitable and convenient place e.g. hospital. Seven days clear notice must be given of the intended application to the person concerned and also to the person managing the premises or institution. An order, if granted, may authorise a person's detention for a period not exceeding three months in the place specified therein and is in certain circumstances renewable.

*Case 1. Mrs. F—.(73).* This widow lived alone from choice but had become a prey to hallucinations and expressed delusions about people stealing her money and others measuring her property to steal from her. She ceased to clean her home but refused to have home help, which was needed as she had become very bent through spinal osteoarthritis. She had also refused offers from the County Welfare Department of admission to an old people's home.

*Case 2. Mr. H. C—.(72).*

*Case 3. Mrs. C—.(93).* This lady had remarried a man much her junior with whom she resided in a country cottage unfit by reason of many defects for human habitation. She was blind in both eyes and stone deaf so that communication was impossible. The man himself had impaired sight and hearing. Following some winter ailment they became unable to care for themselves and had to be removed to Lakin House because of squalid and dirty conditions and total lack of amenity during icy cold weather. They soon discharged themselves home began to have falls and their doctor requested the Council to act for their protection. As they refused all offers of help an application was to be made to the Court in May for their compulsory removal but Mr. C. collapsed prior to this due to malnutrition and neglect and was taken to hospital. Here he deteriorated and became a bedridden patient in a chronic hospital and it became possible for his wife to go and live with an elderly married son in another part of the county.

# REPORT OF THE SENIOR PUBLIC HEALTH INSPECTOR

## **To the Council of the Rural District of Warwick**

MR. CHAIRMAN AND MEMBERS,

I have pleasure in submitting my Annual Report for 1967.

The routine work of a health department is not of a spectacular nature but it was interrupted this year in no uncertain manner by the outbreak of foot and mouth disease. We had no direct responsibility, but services were considerably curtailed or slowed down. The farm rodent control ceased for a time as did refuse collection to certain premises. The Budbrooke (Hampton) sewerage scheme had just commenced, and the work programme had to be considerably re-arranged so as to keep off farm land. All personnel who had to visit farms were issued with disinfectants and sprays.

Our annual "routine interruption", The Royal Show, passed without undue trouble, the greatest difficulty this year was trying to keep down dust, particularly at car park entrances, made more difficult by a shortage of water at times, due to low pressure. All the sanitary services provided worked well. Young people from a Kenilworth school cleared litter from the ground very effectively, but it is sad reflection on our habits, that although there were over 200 litter baskets and bins on the Show, shoals of litter had to be picked up off the ground. The total amount of refuse, including litter shifted amounted to 120 tons. The quantity of sewage pumped was nearly 400,000 gallons and this in itself is quite an undertaking.

Regular inspections were made to all the food preparation centres. This simple sentence hardly does justice to the work of the Public Health Inspectors, but it is a relief to know that although there were 25 restaurants and cafes and about 50 premises from which light refreshments were served, there were no known cases of food poisoning.

Once again we are indebted to several local authorities and firms who helped us out at this strenuous time.

The year had ended in a sad note as far as housing development is concerned, in particular in those parishes which are in the drainage catchment area of the Borough of



Leamington. They are Bishops Tachbrook, Cubbington, Radford Semele and Whitnash. The sewers from these parishes discharge into the Leamington Disposal Works at Heathcote. The Severn River Authority consider that the Leamington Works are overloaded, and that no more connections should be made to the works while that position lasts. In this they are fully supported by the Warwickshire County Council who seem to be refusing planning permission for all development both private and public, even to one single bungalow at Whitnash, the reason being "objection is raised to this development by the Severn River Authority because the Leamington Spa sewage disposal works are overloaded. Until such time as these works are capable of dealing with the flow so that a suitable effluent is produced, the Local Planning Authority consider this proposal to be premature".

Leamington are contemplating a new sewage disposal works at Warwick but if housing development has to wait until new sewage works are built, then it will be years before any new houses, other than those for which plans have already been passed, will be built.

It is ironical, that this Council, which has done so much to improve sewerage facilities in their own area, should now have to suffer for something over which it has no control.

Even in those parishes in which the Council have provided disposal works development is severely restricted as the County Council have refused planning permission on the grounds (inter alia) that "A sub-regional study of Central Warwickshire will shortly be undertaken . . . and it is considered that the development should not be permitted unless and until the findings of the Study are available".

During the year, 403 new houses were completed and at December 31st 324 houses were under construction.

In conclusion I thank my colleagues for the help they have given me.

I remain,

Yours faithfully,

E. A. LYNE,

Senior Public Health Inspector.



## 1. GENERAL

The provision of main drainage to all the villages of the District has been further advanced with the completion of the Baddesley Clinton and Chadwick End Sewerage Scheme and the commencement in November of the Norton Lindsey and Hampton-on-the-Hill (Budbrooke) Sewerage and Sewage Disposal Schemes.

A considerable amount of design work has been undertaken in the Surveyor's Department and it has been rather disappointing that the Whitnash and Bishops Tachbrook Sewerage Scheme and the Wasperton Sewerage Scheme have not yet been able to proceed.

2. The Council's Consultants, Messrs. J. D. & D. M. Watson, M.M.I.C.E., have been responsible for the schemes of foul sewerage noted at (a) to (e) in this paragraph.

(a) *The Baddesley Clinton and Chadwick End Sewerage Scheme.*

The Scheme was substantially completed and commissioned by 23rd April, 1967, and has worked satisfactorily throughout the year.

The small R.D.C. Housing Sewage Disposal Works on Rising Lane was demolished as a part of the scheme and sewage from these 14 Council Houses as with other private properties now gravitates through the Meriden R.D.C. sewers and is ultimately pumped to the Rowington and Lapworth Sewage Disposal Works.

Sewage from the Council properties at Baddesley Clinton of which construction commenced in October, 1967, will also be connected to this Scheme.

(b) *The Bubbenhall Sewerage and Sewage Disposal Scheme.*

Certain modifications of a minor character have yet to be carried out at the Sewage Disposal Works.

(c) *The Norton Lindsey Sewerage and Sewage Disposal Works.*

Tenders were accepted during the year for this Sewerage and Sewage Disposal Scheme and work commenced in November, 1967.

The Scheme allows for the construction of a pumping station which receives drainage from sewers in the Stratford Rural District and discharges it through a 4in. diameter rising main to sewers in the Warwick Rural District area thereafter gravitating to a new Sewage Disposal Works to be constructed off Canada Lane, Norton Lindsey.

The ultimate populations to be catered for are 441 persons in this Council's area and 221 in the Wolverton area of the Stratford Rural District.

Outbreaks of Foot and Mouth disease interfered with the early progress of the Contract extending in fact to the end of the year.

Nevertheless some 200 yards of 6in. sewer were completed in the highway in Norton Lindsey during the year.

The nominal completion date for this Scheme is May 20th, 1969.

(d) *Hampton-on-the-Hill Sewerage and Sewage Disposal Scheme.*

This Scheme is being administered under the same Contract No. 17 as the Norton Lindsey Sewerage Scheme. Nominal commencement date was 20th November, 1967, and although interference from Foot and Mouth disease was also experienced in this area at the end of the year 250 yards of 6in. sewer and six manholes had been constructed in the highway in Hampton-on-the-Hill.

The Scheme involves the gravity discharge of most of the sewage from Hampton-on-the-Hill via a new sewer to the S.E. of the Hampton Magna development area and which connects to the original Budbrooke Barracks Sewage Disposal Works which is proposed to be modified. Over a portion of the route on the S.E. of the Hampton Magna properties a developer's sewer, which has in fact already been laid, is proposed to be incorporated as a part of the Scheme.

The sewage from the southern portion of Hampton-on-the-Hill is to gravitate to a new pumping station to be erected near the Mission Church whence it is pumped via a new 4in. Rising Main to a convenient manhole on the gravity sewer passing to the S.E. of Hampton Magna. No reconstruction of the Disposal Works had in fact been achieved by the end of the year.

The nominal completion date for this Scheme is November 20th, 1968.

(e) *The Eastern Area Sewerage Scheme.*

That portion of the scheme needed to collect sewage from the 32 new, and 6 old, R.D.C. properties at Weston-under-Wetherley was completed during the year by the builders constructing the new R.D.C. houses. This sewage is being processed at the private Weston-under-Wetherley Hospital Disposal Works under a financial arrangement with the Hospital Board.



The sites of pumping stations proposed at Wappenbury and Eathorpe have been the subject of further discussion and generally design work on this Scheme cannot be said to be complete.

3. The following proposed capital Schemes (i) to (ix) have been prepared within the Department. The full extent of the departmental responsibilities of sewerage and sewage disposal are shown in paragraphs (4) to (19) inclusive.

(i) *Whitnash.*

*90 yards of sewer and two manholes.*

This Scheme has been satisfactorily maintained for the requisite twelve months period and the Contractors final account rendered during the year.

(ii) *Stoneleigh Sewage Pumping Station.*

Amendments to the station were completed by a Day-work Contractor in 1966.

(iii) *Baginton.*

The connection of some sewers in the village to the Coventry Corporation gravity sewer near the Baginton Oak Ejector Sewage Pumping Station has not yet commenced. When complete the Scheme will render redundant this Council's Baginton Oak Ejector Pumping Station.

The work is to be carried out by the Coventry Corporation Contractors, and the requisite order has been given to the Coventry Corporation.

It is proposed to retain the Baginton Oak Station building as a materials store.

The three previous items are included on one Loan Assisted Scheme which is necessarily still held incomplete.

(iv) *Wasperton.*

A Ministry of Housing and Local Government enquiry was held into this Scheme in December, 1967. The Scheme proposed sewers to collect from the properties in the village street and the construction of a sewage disposal works at the north end of the village to cater for 250 persons. River Authority and Planning Consent had been obtained. It was suggested however, that an alternative scheme envisaging the same sewer system but pumping the sewage to the head of the Barford Sewers should be investigated. Under the amended Scheme the sewage would gravitate along the Barford main street to this Council's Barford Bridge Sewage Pumping Station and thence would be pumped to

the Warwick Borough Sewage Disposal Works at Longbridge for treatment.

The Warwick Corporation have given approval to this method of sewage disposal but the Scheme has not yet been re-submitted to the Ministry.

(v) *The Whitnash and Bishops Tachbrook Sewerage Scheme.*

This scheme proposes the re-routing of sewage from a part of the parish of Whitnash and from the whole of the parish of Bishops Tachbrook on its way to being processed at the Leamington Corporation Disposal Works at Heathcote.

The Scheme is intended to open up development areas south of Whitnash and to overcome the problem of the increased flow of sewage caused by the rapid development of Bishops Tachbrook.

A Ministry of Housing and Local Government enquiry into the Scheme was held in December, 1967, at which it was felt that the proposed speed of pumping of the sewage to the Disposal Works should be reduced below the six times dry weather flow allowed.

Amendments to the Scheme to conform with this point were submitted to the Ministry but no approval resulted.

(vi) *Old Milverton and Blackdown Sewage Scheme.*

A draft scheme for the collection of foul sewage from the area between West Hill, Cubbington, Blackdown Hotel and the Quarry Nursing Home has been investigated and reported to the Council. A new pumping station on Old Milverton Lane would be required either to pump sewage to the Leamington Borough Sewers or to the head of this Council's existing Old Milverton sewers and thence to Old Milverton Sewage Disposal Works, which would have to be modified.

The cost of the Scheme would be of the order of £24,888. for the first alternative and £28,800 for the second.

(vii) *Haseley Knob and Beausale Sewerage Scheme.*

The Council have accepted the Surveyor's report on a proposed sewerage scheme to drain 34 properties in Beausale, 28 in Haseley Knob and to modify the existing R.D.C. Housing Sewage Disposal Works to render it capable of taking sewage from 250 persons located in these two villages and also from Wroxall. The present Disposal Works is not capable of dealing effectively with the sewage from the 12 R.D.C. houses which drain to it. The total scheme would involve some 2,030 yards lineal of new 6in. diameter sewers; and manholes in the two villages. The estimated total cost of the Scheme, which permits of phasing is estimated at



£23,247. The Scheme has not yet been submitted to the Ministry of Housing and Local Government.

(viii) *Shrewley Sewage Disposal Works.*

The final effluent from this Works has continued to be discharged over rented land adjoining the nearby canal, returned to the Disposal Works Irrigation area collecting pond and so to the outfall brook by the normal notch weir.

A two inch pump draws the effluent from an irrigation area manhole and discharges it through two inch galvanised iron pipes drilled at convenient centres to form this spray system. As reported last year the effect of the arrangement has been to produce a good effluent.

Approval has been given by the Council to the construction of a clarifier system based on the experiments previously carried out at the works and reported last year. A loan application in respect of this proposed installation has not yet been made.

To provide information on the effect of wedge wire in tertiary treatment of effluents, the "test-bed" at the Work is to be adapted to run a series of trials on the use of this medium which will assist in the choice of which tertiary treatment system is to be proposed for the Norton Lindsey Sewage Disposal Works, and other Works wherever proposed.

(ix) *The Lowsonford R.D.C. Housing Sewage Disposal Works.*

The septic tank and bacteriological filter installation discharging effluent to the brook alongside the canal is inadequate but, as with the Beausale S.D. Works, a recommendation will be made to the Council that the installation be incorporated in a village public sewerage scheme.

**4. Taking over by the Council of Privately Constructed Sewers.**

Applications have been made in respect of foul sewers at:—

(a) Cubbington—Hut Farm Estate.

(b) Whitnash—Summerton Road, Part of Landor Road, Mollington Road.

(c) Whitnash—Part of Murcott Road.

(d) Barford—Church Lane.

There are no cases of private sewers being formally taken over during the year.

**5. Construction of Private Sewers.**

The estates of Hampton Magna and Golf Lane, Whitnash have been the subject of foul sewer extensions. Surface water sewers have been further extended at the Royal Agricultural Society of England Show site at Stoneleigh.

6. (a) Two septic tanks type sewage disposal installations were connected to newly constructed public sewers serving larger sedimentation tank type disposal works. Those affected were originally at Baddesley Clinton serving 14 R.D.C. properties and at Weston-under-Wetherley serving 6 R.D.C. properties. The Council Housing Site installations are now as follows:—

| <i>Site</i>            | <i>No. of properties served</i> | <i>If Works will become redundant</i>                                  |
|------------------------|---------------------------------|--|
| Beausale Heath Terrace | 2                               | Yes, under Beausale and Haseley Knob Sewerage Scheme.                  |
| Beausale Heath Terrace | 14                              | Works will be rebuilt under Beausale and Haseley Knob Sewerage Scheme. |
| Lowsonford             | 12                              | No.  |

- (b) The schedule of village sewage disposals works operated by the Council remains as last year:—

| <i>Location of Sewage Disposal Works</i> | <i>Includes Works P.S.</i> | <i>Designed for Duplication</i> | <i>Designed for ultimate population of</i> |
|--|----------------------------|---------------------------------|--|
| Bubbenhall                               | Yes                        | No                              | 500  |
| Leek Wootton                             | Yes                        | No                              | 1,300                                      |
| Lapworth & Rowington                     | Yes                        | Yes                             | 3,400                                      |
| Shrewley & Hatton                        | Yes                        | No                              | 1,500                                      |
| Old Milverton                            | No                         | Yes                             | 98   |
| Budbrooke                                | Yes<br>(Drainings)         | Being redesigned                | Being redesigned                           |

The ultimate sewage loading is not yet applied to any of these works.

7. The R.D.C. Sewage Disposal Works at Baddesley Clinton and Weston-under-Wetherley were rendered redundant this year.

8. (a) One sewage pumping station was commissioned this year and the schedule of such stations on the line of sewers (as opposed to those located at S.D. Works) are now as follows:—

| <i>Location</i>                                | <i>Type<br/>of<br/>Sump</i> | <i>Pump(s)<br/>(All for raw<br/>sewage)</i> | <i>Date of<br/>installation<br/>of pumps</i> |
|--|-----------------------------|---|--|
| Burton Green<br>(Cromwell Lane)                | Wet                         | Tuke and Bell<br>Barrington (2)             | 1962   |
| Bishops Tachbrook                              | Dry                         | Wallwin<br>Vertical Spindle (2)             | 1965/6                                       |
| Baginton Oak                                   | Wet                         | Tuke and Bell<br>Tandem Ejector             | 1953   |
| Baginton Mill                                  | Wet                         | Wallwin<br>Suspended (1)                    | 1962   |
| Barford Bridge                                 | Wet                         | Gwynnes<br>Horizontal (2)                   | 1952   |
| Barford<br>(Sandy Way)                         | Wet                         | Tuke and Bell<br>Barrington (1)             | 1964   |
| Crackley Crescent                              | Dry                         | Wallwin<br>Vertical Spindle (1)             | 1964   |
| Cubbington<br>(Leicester Lane)                 | Dry                         | Wallwin<br>Vertical Spindle (2)             | 1957   |
| Cubbington<br>(Offchurch Road)                 | Dry                         | Wallwin<br>Vertical Spindle (2)             | 1958   |
| Hatton (Station Rd)                            | Wet                         | Flygt (1)                                   | 1967   |
| Lapworth<br>(Kingswood)                        | Dry                         | Mono<br>Vertical Spindle (2)                | 1964/5                                       |
| Lapworth<br>(Rising Lane)                      | Dry                         | Mono<br>Vertical Spindle                    | 1964/5                                       |
| Baddesley Clinton<br>Neatherwood<br>Heath Farm | Wet                         | Flygt (2)                                   | 1967   |
| Radford Church                                 | Wet                         | Lee Howl<br>Vertical Spindle (2)            | 1955   |
| Radford (Valley)                               | Wet                         | Wallwin<br>Suspended (2)                    | 1962   |
| Stoneleigh                                     | Wet                         | Wallwin<br>Suspended (2)                    | 1962   |
| Sherbourne                                     | Wet                         | Wallwin<br>Suspended (1)                    | 1964   |
| Whitnash (Home<br>Farm Crescent)               | Dry                         | Wallwin<br>Vertical Spindle (2)             | 1959   |



One foul sewage pumping station is to be built at Hampton-on-the-Hill for sewers in the lower part of the village. Construction started this year.

- (b) Foul sewage pumping stations forming part of sewage disposal works apparatus exist at the following positions:—

| <i>S.D. Works</i>       | <i>Type of Sump and Purpose</i>                            | <i>Pump</i>  | <i>Date of Installation</i>    |
|-------------------------|--|--|--------------------------------|
| Bubbenhall              | Wet/Dry<br>Raw Sewage                                      | Wallwin<br>Vertical Spindle (2)  | 1965/6                         |
| Leek<br>Wootton         | Wet<br>(Raw sewage)  | Wallwin Horizontal<br>with Primer (1)  |                                |
| Lapworth &<br>Rowington | Wet/Dry<br>Raw Sewage<br>(Sludge)<br><br>(Water<br>Supply) | Mono<br>Vertical Spindle (2)<br>Whitehead & Paul<br>(1)<br>Submersible (1)<br>Worthington &<br>Simpson | 1964/5<br><br>1964/5<br>1964/5 |
| Shrewley &<br>Hatton    | Wet<br>Raw Sewage  | Flygt (2)  | 1965                           |
| Budbrooke               | Wet<br>Drainings<br>Water only                             | Flygt (1)  | 1966/7                         |

One further station proposed for the Norton Lindsey Sewage Disposal Works was commenced this year.

- (c) The first surface water pumping station in this District is proposed at the R.D.C's re-developed housing site at Cubbington. Construction started later in the year.

This station will pump roof water from the nine houses to a ditch at the rear of the site.

9. Apart from pumping sewage to the Council's own sewage disposal works, the following movements of sewage across administrative boundaries occur:—

- (a) *Sewage* is pumped by R.D.C. plant to other Authorities for processing, from the following areas:—



| <i>Parish</i>     | <i>No. of Prop's.</i> | <i>To</i>                               |
|-------------------|-----------------------|---|
| Barford           | 258                   | Warwick Corporation                     |
| Sherbourne        | 26                    | Warwick Corporation                     |
| Crackley          | 16                    | Kenilworth U.D.C.                       |
| Cubbington        | 1362                  | Leamington Corporation                  |
| Radford Semele    | 446                   | Leamington Corporation                  |
| Bishops Tachbrook | 297                   | Leamington Corporation                  |
| Old Milverton     | 16                    | Leamington Corporation                  |
| Whitnash          | 1657                  | Leamington Corporation                  |
| Baginton          | 201                   | Coventry Corporation                    |
| Burton Green      | 103                   | Coventry Corporation                    |
| Stoneleigh        | 82                    | Coventry Corporation                    |
| Lapworth          | 58                    | Upper Tame Main Drain-<br>age Authority |

4522 properties

This is an increase of 143 properties over last year.

(b) *Sewage from other Districts* pumped by Warwick R.D.C. plant, is processed as below:—

| <i>From</i>    | <i>No. of Prop's.</i> | <i>To</i>                                |
|----------------|-----------------------|--|
| Meriden R.D.C. | 76                    | Coventry Corporation                     |
| Meriden R.D.C. | 45                    | Warwick R.D.C. Rowing-<br>ton S.D. Works |

*Total*    121

This is an increase of 78 properties over last year.

(c) *From Weston-under-Wetherley* sewage from 40 Warwick R.D.C. properties gravitates to, and is processed at the Weston Hospital Board's Private S.D. Works at Weston-under-Wetherley.

10. Foul Sewage Pumping Stations rendered redundant or transferred to other Authorities during the year:— Nil.

11. *Surface Water Pumping Stations.*

There are no such pumping stations in commission in the district although one is in the course of construction at a Housing site at Cubbington.

12. Private foul pumping stations in the District pumping sewage from a number of properties (as opposed to a single property) direct to public sewers:—

|                              |                            |               |
|------------------------------|----------------------------|---------------|
| Existing                     | Barford,<br>Dugard Place   | 42 properties |
| In course of<br>construction | Barford,<br>Red House Site | 6 properties  |

13. A private station pumping sewage to private S.D. Works exists at Hatton Hospital.

#### 14. Pumping Station Amenities.

(a) *Rising Lane S.P. Station.*—The installation of the proposed hot water washing installation for personnel is held up pending the completion of the laying of the water supply connection between the Water Board's meter and the Pumping Station.

(b) The subscriber call overflow alarm system is now in operation at 20 of the 23 foul sewage pumping stations, noted in paragraph 7 (a) and 7 (b), the exceptions being at:—

|                     |  |
|---------------------|--|
| Baginton Oak S.P.S. | Where the station is to become<br>redundant. |
| Sherbourne S.P.S.   | Installation not yet complete.               |
| Budbrooke S.P.S.    | S.D. Works being modified under<br>Contract. |

15. Pumping Station and S.D. Works repairs have been required at:—

##### (a) *Pumping Stations.*

|                                 |                         |          |
|---------------------------------|-------------------------|----------|
| (i) Cubbington                  | Panel Heaters           | £55 18 0 |
| Cubbington                      | Overhaul pumps          | £19 14 9 |
| (ii) Radford Semele<br>(Valley) | Flap Valve Chamber      | £46 0 8  |
| (iii) Barford (Bridge)          | Reconditioning Seals    | £58 13 2 |
| (iv) Radford                    | Repair pump, new valves | £106 3 6 |
| (v) Hatton—<br>Station Road     | Lifting Girder          | £58 10 6 |
|                                 | New pump                | £450 0 0 |

##### (b) *S.D. Works.*

|                         |                   |          |
|-------------------------|-------------------|----------|
| (i) Budbrooke<br>S.D.W. | Repair to fencing | £98 13 5 |
|-------------------------|-------------------|----------|

|       |                        |                      |           |
|-------|------------------------|----------------------|-----------|
| (ii)  | Hatton and<br>Shrewley | New filter media     | £86 5 7   |
| (iii) | Old Milverton          | New fencing to Works | £133 11 0 |

### 16. Repairs to Public Sewers.

During the year the Council's Contractor attended to a total of 33 cases of sewer blockages and repairs in the parishes noted:—

|                           |                       |
|---------------------------|-----------------------|
| Barford; Whitnash         | 5 instances in each.  |
| Lapworth; Cubbington      | 4 instances in each.  |
| Baginton; Stoneleigh      | 3 instances in each.  |
| Baddesley Clinton         | 2 instances.          |
| Leek Wootton; Sherbourne; | } 1 instance in each. |
| Bubbenhall; Hatton;       |                       |
| Rowington; Radford;       |                       |
| Shrewley                  |                       |

17. The following Drainage Works were Constructed during 1967, with the Aid of Grants under the:—

### HOUSING (FINANCIAL PROVISIONS) ACT, 1958 HOUSE PURCHASE & HOUSING ACT, 1959

| Parish        | Discretionary Grants   |                 |                | Standard Grants        |                 |                |
|---------------|------------------------|-----------------|----------------|------------------------|-----------------|----------------|
|               | Connection<br>to sewer | Septic<br>tanks | Cess-<br>pools | Connection<br>to sewer | Septic<br>tanks | Cess-<br>pools |
| Baginton      |                        |                 |                |                        |                 |                |
| Barford       |                        | 1               |                |                        |                 |                |
| Bubbenhall    |                        |                 |                |                        |                 |                |
| Bubrooke      |                        |                 | 1              |                        |                 |                |
| Cubbington    | 3                      |                 |                |                        |                 |                |
| Hatton        | 2                      | 1               |                |                        | 1               |                |
| Honiley       |                        | 1               |                |                        |                 |                |
| Hunningham    |                        | 1               |                |                        |                 |                |
| Lapworth      | 2                      |                 |                | 2                      |                 | 1              |
| Leek Wootton  |                        | 1               |                |                        |                 |                |
| Offchurch     |                        |                 |                |                        |                 |                |
| Old Milverton | 2                      |                 |                |                        |                 |                |
| Rowington     |                        |                 |                |                        | 1               |                |
| Sherbourne    | 1                      |                 |                |                        |                 |                |
| Shrewley      |                        | 3               |                |                        | 2               |                |
| Wasperton     |                        |                 |                |                        |                 |                |
| TOTALS        | 10                     | 8               | 1              | 2                      | 4               | 1              |

**Note:**—In cases where a number of houses are dealt with by one Septic Tank or one connection to a sewer, only one Septic Tank or connection to a sewer is included in the above figures.



## **18. Septic Tank and Cesspool Emptying Service.**

There was a slight decrease this year in the number of septic tank and cesspool emptying visits made by the Council's vehicles from 976 to 955 visits.

Appendix "A" details the visits made per parish and indicates operations carried out in adjoining Districts.

A decrease of 44 at Rowington and 18 at Bubbenhall reflect the success of the sewerage schemes provided in these areas.

## **19. Night Soil Pail Collection.—See Appendix "A".**

The total number of night soil pails collected has again decreased this year to 327 pails per week from 362 in 1966.

The major decreases during the year have been at:—

Baddesley Clinton from 12 in 1966 to 3 per week.

Lapworth from 78 in 1966 to 60 per week.

Rowington from 24 in 1966 to 10 per week.

It is necessary however to report that the parish of Stoneleigh to which particular attention was drawn last year, has this year increased to 62, the number of pails requiring to be emptied each week and in fact, replaces the parish of Lapworth at the top of the list.

The effect of the Lapworth and Rowington Sewerage Scheme is reflected in the decreases for these parishes.

# **ANNUAL REPORT 1966**

## **PUBLIC CLEANSING AND TRANSPORT**

### **Refuse Collection and Disposal**

The regular weekly collection of domestic refuse throughout the whole of the Council's District proceeded smoothly during most of the year. Consequent upon the purchase of two 50 cu. yard Pakamatic refuse vehicles during the year, a re-organisation of the collection system took place in December, whereby the number of collection routes was reduced from five to four. There was some disruption of the service initially, due to the unfamiliarity of the workmen with the new enlarged routes, sickness, adverse weather and the Christmas holidays, but there is nevertheless every indication that the re-organisation will prove successful both operationally and in terms of financial saving to the Rate Fund.

Refuse disposal took place mainly at a privately-owned tip in a disused quarry at Barford, and partly at the Coventry Corporation's tip at Baginton. By the end of the year the latter had ceased to be used, except in emergency. No use was made of the Council's small tip at Bushwood owing to access difficulty, and endeavours continued to be made, so far without success, to find and acquire a suitable centrally situated tipping site.

By the end of the year, refuse was being collected from over 8,000 premises and the estimated weight of refuse disposed of during the year was 7,875 tons.

**Cesspool Emptying and Nightsoil Collection.**

The inception of new main sewerage arrangements brought about a position by the end of the year whereby the time spent weekly on nightsoil collection was reduced to 17 hours.

The cesspool emptying service keeps one vehicle fully occupied for the remainder of each week but the point has been reached where the use of a second vehicle can in normal circumstances be discontinued, though to achieve this end it has been necessary to discontinue the emptying of cesspools and septic tanks at premises situated outside the Council's area.

955 visits were made to domestic premises in the District for the purpose of emptying private cesspools or septic tanks, and 1,215 loads were removed. 54 visits (61 loads) were made to non-domestic premises and premises outside the District.

**Transport.**

The following vehicles are owned by the Council:—

|                   |     |   |  |
|-------------------|-----|---|--|
| Refuse Vehicles   | ... | 2 | "Pakamatic".                                   |
|                   |     | 4 | Other Rear Loaders. (2 operational, 2 stanby). |
| Cesspool Emptiers | ... | 2 |  |
| Traders (Light)   | ... | 1 |  |
| Traders (Medium)  | ... | 1 |  |
| Land Rovers       | ... | 3 |  |
| Vans              | ... | 4 | (1 awaiting disposal, 2 awaiting replacement). |
| Lorry (open)      | ... | 1 |  |
| Cars              | ... | 1 |  |

## **Rodent Control**

201 contracts for the destruction of rodents on agricultural land and premises were in force at the end of the year, to the total value of £2,458 10s.

This work, together with rodent destruction where necessary at private dwelling houses, business premises and Council-owned properties, kept the two rodent operators fully occupied during the year.

The outbreak of foot and mouth disease on a nationwide scale brought considerable difficulty so far as this service was concerned, and for some two months visits to farms where cloven footed animals were kept had to be suspended.

A sewer treatment was carried out in part of the District and this revealed only a minor infestation at one point.

## **National Assistance Act—Section 47**

Reference was made in the 1966 report to future action which it might be necessary to take in respect of two aged persons living in insanitary conditions and early in 1967 it became evident that such action would have to be taken.

On the application of the Medical Officer of Health to the Magistrates Court, an order was made for the removal of the persons to accommodation provided by the County Council. One of the elderly ladies was living in a dirty and dilapidated caravan which was subsequently destroyed. The other lived in a condemned cottage which has since been demolished.

A third case involved an elderly couple who were also removed to County Council accommodation.

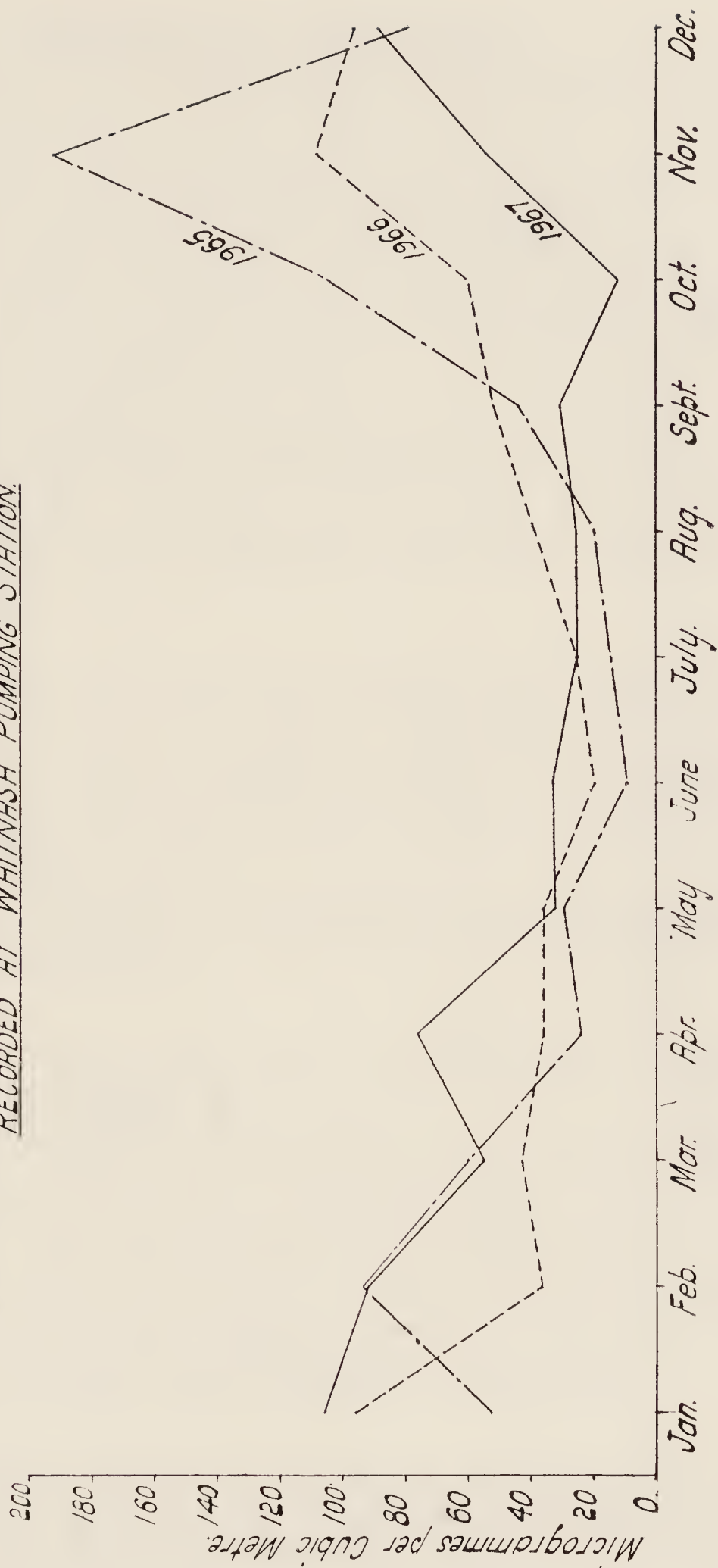
## **The Clean Air Act 1956**

One notification was received under section 5 of the above Act regarding the installation of a new furnace.

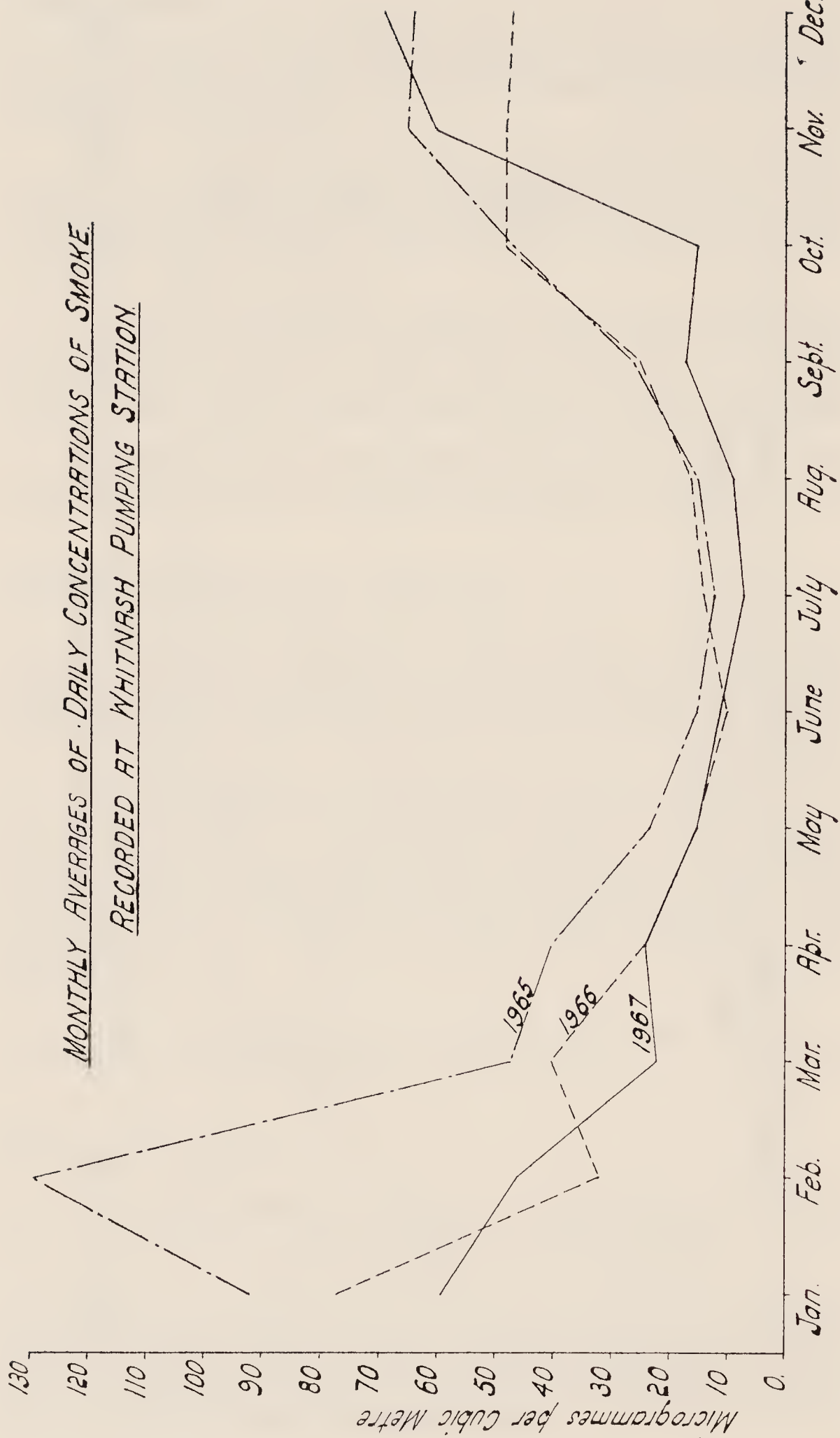
The daily recording of atmospheric pollution continued at Whitnash Pumping Station. The graphs show the monthly averages of daily concentrations of smoke and sulphur dioxide for the past three years. It will be seen that the concentration for smoke in particular declined in 1967.



MONTHLY AVERAGES OF DAILY CONCENTRATIONS OF SULPHUR DIOXIDE.  
RECORDED AT WHITNASH PUMPING STATION.



MONTHLY AVERAGES OF DAILY CONCENTRATIONS OF SMOKE.  
RECORDED AT WHITNASH PUMPING STATION.



## **Petroleum (Regulation) Acts, 1928 and 1936**

Petrol tanks were installed and tested at three premises during the year, the total capacity approved for storage being 2,250 gallons.

Regular inspections were carried out to ascertain that petroleum spirit was being kept in accordance with the conditions of the licence and in total 123 visits were made. Visits to farm premises, however, at the end of the year were suspended because of the outbreak of foot and mouth disease. 77 licences were issued authorising the keeping of 186,980 gallons of petroleum spirit.

During the year an application was received for the installation of a coin operated self-service pump at a petrol filling station but after careful consideration by the Committee the application was refused. It was intended that the pump be brought into use during the night when the site was unattended.

## **Factories**

At the end of 1967 there were 36 factories on the register, 4 fewer than the previous year. Apart from a few factories where more than 100 people are employed, the majority of premises in this area employ less than 12. 43 inspections were made and 3 notices served in respect of unsatisfactory sanitary accommodation.

At building sites 12 inspections were made regarding provision of sanitary accommodation and one notice served for unsuitable facilities.

## **Caravans**

Only one caravan licence was issued during the year and that in respect of a caravan to be used in connection with a small holding.

However, there was no dearth of such vehicles throughout the district—the spate of travelling tinkers was much in evidence during the summer months as they made their way to other parts of the country. One such convoy consisted of 37 vehicles and one does not need much imagination to realise the potential health hazards which can arise when these vehicles are parked on the roadside verge for several days with little or no sanitary accommodation or water supply.

## **Nuisances**

Fewer complaints were received compared with 1966 though the nature of the complaints did not differ greatly from those of that year. Most were concerned with housing



defects and drainage problems, noise and offensive smells arising from industrial premises, keeping of animals, or farming processes.

The disposal of poultry excreta from battery houses is becoming more of a problem as these units increase in size and suitable land for disposal becomes scarcer. Where the only land available is in close proximity to dwellings, the discharge of this foul smelling material on to the land can be an intolerable nuisance.

In a previous report, reference was made to the sludge lagoons at Baginton from which offensive odours were emitted, causing a nuisance in the village. During 1967, I am pleased to say, conditions improved greatly and no complaints were received.

### **Animal Boarding Establishments**

No licences were issued for new premises during 1967—the figure remaining at 8 as in the previous year. Inspections were made from time to time but no serious contraventions of the Act were found. Most of the boarding establishments operate during the summer months only as there is little demand for their services at other times of the year.

### **Housing**

#### **(1) Improvement Grants**

|                                  | <i>Standard<br/>Grants</i> | <i>Discretionary<br/>Grants</i> |
|----------------------------------|----------------------------|---------------------------------|
| No. of applications received ... | 23                         | 21                              |
| No. of properties involved ...   | 26                         | 30                              |
| No. of claims granted ...        | 21                         | 23                              |
| No. of properties involved ...   | 24                         | 32                              |

Grants were made in respect of 11 more properties than in the previous year. This was a welcome change but much yet remains to be done in the way of modernising older property.

#### **(2) New Houses provided by Rural District Council**

The estate at Weston-under-Wetherley was completed, providing 32 dwellings as was also the development at Lapworth where 10 bungalows were built.

#### **(3) Demolition**

A total of 28 properties were demolished in compliance with Demolition Orders and Clearance Orders. The following table shows the present position with regard to action taken under the Housing Acts:—

| <i>Class (see footnote)</i>                                 | A    |      | B    |      | C    |      | D    |      | E    |      |
|---|------|------|------|------|------|------|------|------|------|------|
| Year  | 1966 | 1967 | 1966 | 1967 | 1966 | 1967 | 1966 | 1967 | 1966 | 1967 |
| Outstanding at beginning of year ...                        | 43   | 33   | 62   | 39   | 12   | 14   | 1    | 1    | 6    | 8    |
| Made subjects of orders or undertakings during the year ... | 3    | 5    | 15   | 2    | 2    | 6    | —    | 2    | 3    | —    |
| Demolished during the year ...                              | 13   | 13   | 37   | 15   | —    | —    | —    | —    | —    | —    |
| Made fit during the year ...                                | —    | —    | 1    | —    | —    | —    | —    | —    | 1    | —    |
| Orders Revoked ...  | —    | —    | —    | 3    | —    | —    | —    | —    | —    | —    |
| Outstanding at end of year ...                              | 33   | 25   | 39   | 23   | 14   | 20   | 1    | 3    | 8    | 8    |

A. Under Clearance Orders.

B. Under Demolition Orders.

C. Under Closing Orders.

D. Under Undertakings to make fit.

E. Under Undertakings not to use for human habitation until made fit.

## Food Premises

There has been little change in the number of food premises in the district during 1967, but the standard of hygiene continues to rise and at several of the larger licensed premises, considerable improvements have been made in providing catering facilities for customers. With the introduction of the breathaliser test for motorists and consequent curtailment in drinking, more and more emphasis is being placed on the need to provide dining facilities at such premises. Co-operation with the owners from the planning stage ensures that the premises are constructed in accordance with the Food Hygiene (General) Regulations. Where such premises do not have a sewer available as is the case with several in this area, any increase in trade can cause drainage problems. This was the case at one licensed premises in the district but which has now been connected to the main sewer. To do this it was necessary to lay a drain over 600 yards in length.

333 inspections were made to food premises throughout the district, and 10 notices sent for contraventions of the Regulations. The table below gives details of the various types of food premises. Regulation 16 is concerned with the provision of hand washing facilities for food handlers and Regulation 19 with the provision of sinks etc. for the washing of food or equipment.

| <i>Type of Premises</i>                       | REGULATION 16             |                         | REGULATION 19             |                         |
|---|---------------------------|-------------------------|---------------------------|-------------------------|
|   | <i>Number of Premises</i> | <i>Fitted to comply</i> | <i>Number of Premises</i> | <i>Fitted to comply</i> |
| Bakeries                                      | 2                         | 2                       | 2                         | 2                       |
| Butchers Shops                                | 8                         | 8                       | 8                         | 8                       |
| General Provisions including<br>Confectioners | 57                        | 57                      | 47                        | 47                      |
| Cafes, Restaurants                            | 15                        | 15                      | 15                        | 15                      |
| Licenced premises                             | 29                        | 29                      | 27                        | 27                      |
| Factory Canteens                              | 3                         | 3                       | 3                         | 3                       |
| Clubs   | 10                        | 10                      | 10                        | 10                      |
| Fish Frying                                   | 2                         | 2                       | 2                         | 2                       |
| Others  | 2                         | 2                       | 2                         | 2                       |

### Offices, Shops and Railway Premises Act 1963

Nine new premises were registered under the Act during the year making a total of 100 registered premises at the 31st December. Contraventions of the Act and Regulations in the main were concerned with incomplete first aid equipment, lack of thermometers and absence of Abstract of the Act.

No complaints were received from employees concerning conditions under which they worked.

Notification was made of two minor accidents which occurred. Particulars required by the Ministry of Labour regarding the operation of the Act are as follows:—

**TABLE A—REGISTRATION AND GENERAL INSPECTIONS**

| Class of premises<br>(1)                             | Number of premises registered during the year<br>(2) | Total number of registered premises at the end of year<br>(3) | Number of registered premises receiving a general inspection during the year<br>(4) |
|--|--|---|---|
| Offices .....  | 6  | 23  | 23  |
| Retail Shops .....                                   | 1  | 41  | 33  |
| Wholesale Shops, Warehouses .....                    | 1  | 4   | 3   |
| Catering establishments open to the public, canteens | 1  | 31  | 5   |
| Fuel storage depots                                  | —  | 1   | —   |
| <b>TOTALS</b> .....                                  | <b>9</b>   | <b>100</b>  | <b>64</b>   |



TABLE B—Number of visits of all kinds by Inspectors  
to registered premises .....

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TABLE C—ANALYSIS OF PERSONS EMPLOYED IN  
REGISTERED PREMISES BY WORKPLACE

| Class of Workplace                            | Number of persons<br>employed |
|---|-------------------------------|
| (1)   | (2)                           |
| Offices .....                                 | 231                           |
| Retail Shops .....                            | 109                           |
| Wholesale Departments, Warehouses .....       | 26                            |
| Catering Establishments, open to public ..... | } 326                         |
| Canteens .....                                |                               |
| Fuel Storage Depots .....                     | 3                             |
| TOTAL .....                                   | 695                           |
| TOTAL MALES .....                             | 334                           |
| TOTAL FEMALES .....                           | 361                           |

TABLE D—EXEMPTIONS

|   |        |
|---|--------|
| Part I Space (Sec. 5 (2) ) .....                      | } Nil. |
| Part II Temperature (Sec. 6) .....                    |        |
| Part III Sanitary Conveniences.....<br>(Sec. 9) ..... |        |
| Part IV Washing Facilities .....                      |        |
| (Sec. 10)   |        |

TABLE E—PROSECUTIONS .....

Nil.

TABLE F—INSPECTORS .....

TWO.

TABLE I.

## WARWICK RURAL DISTRICT

SUMMARY OF WORK DONE IN THE HEALTH  
INSPECTOR'S DEPARTMENT DURING THE YEAR, 1967.

|  | Inspections<br>and<br>observations<br>made | Notices served |               | Notices<br>complied<br>with |
|--|--|----------------|---------------|-----------------------------|
|  |  | Statu-<br>tory | In-<br>formal |                             |
| Butchers' shops and<br>slaughterhouses ...     | 172  | —              | —             | —                           |
| Dairies and Milk Shops ...                     | 1  | —              | —             | —                           |
| Public houses, clubs,<br>restaurants, etc. ... | 63   | —              | 2             | 1                           |
| Food premises (other than<br>above) ...        | 97   | —              | 8             | —                           |
| Factories ...                                  | 43   | —              | 3             | —                           |
| Building sites ...                             | 12   | —              | 1             | 1                           |
| Houses (for surveys) ...                       | 136  | —              | —             | —                           |
| Houses (other than for sur-<br>veys) ...       | 307  | —              | 6             | 5                           |
| Caravans ...                                   | 122  | —              | —             | —                           |
| Rivers, streams and<br>ditches ...             | 33   | —              | —             | —                           |
| Drainage ...                                   | 301  | 1              | 10            | 10                          |
| Accumulations ...                              | 28   | —              | 1             | 1                           |
| Rodents ...                                    | 38   | —              | —             | —                           |
| Vermin (other than<br>above) ...               | 17   | —              | —             | —                           |
| Animals (keeping of) ...                       | 10   | —              | —             | —                           |
| Noise nuisances ...                            | 21   | —              | —             | —                           |
| Smoke nuisances ...                            | 24   | —              | 2             | 2                           |
| Dust nuisances ...                             | 7  | —              | —             | —                           |
| Smell nuisances ...                            | 22   | —              | —             | —                           |
| Clean Air Act ...                              | 68   | —              | —             | —                           |
| Petroleum Acts ...                             | 123  | —              | 4             | —                           |
| Agricultural Acts ...                          | 9  | —              | —             | —                           |
| Water supplies ...                             | 36   | —              | —             | —                           |
| Infectious diseases, etc. ...                  | 266  | —              | —             | —                           |
| National Assistance Act ...                    | 4  | —              | —             | —                           |
| Animal Boarding Es-<br>tablishments Act ...    | 7  | —              | —             | —                           |
| Land Drainage Act ...                          | 5  | —              | —             | —                           |
| Tips ...                                       | 14   | —              | —             | —                           |
| Nightsoil collection ...                       | 83   | —              | —             | —                           |
| Means of escape in case of<br>Fire ...         | 1  | —              | —             | —                           |
| Smoke observations ...                         | 1  | —              | —             | —                           |
| Offices, Shops & Railway<br>Premises Act ...   | 86   | —              | 9             | —                           |
| Miscellaneous ...                              | 236  | —              | 1             | 1                           |
| Water samples taken ...                        | 17   | —              | —             | —                           |
| Totals ...                                     | 2310                                       | 1              | 47            | 21                          |

## APPENDIX (A)

WARWICK RURAL DISTRICT COUNCIL.  
SEWERAGE AND SEWAGE DISPOSAL.

| (1)<br><br>PARISH     | (2)<br>No. of inhabited<br>properties including<br>rated caravans | (3)<br>Public Sewer<br>available | (4)<br><br>Nightsoil<br>pails<br>emptied<br>weekly |         | (5)<br><br>No. of septic<br>tanks and<br>cesspool<br>emptying<br>visits<br>during year |      | (6)<br>Properties connected to<br>sewers in 1967 |                      |  |   |   |
|-----------------------|---|----------------------------------|--|---------|--|------|--|----------------------|--|---|---|
|                       |   |                                  | 1966   | 1967    | 1966   | 1967 | By Discretionary<br>Grant                        | By Standard<br>Grant | Privately to exist-<br>ing free connec-<br>tion to curtilage | From Private<br>devel to existing<br>sewers | From R.D.C.<br>devel. to<br>existing sewers |
|                       |   |                                  |  |         |  |      |  |                      |  |   |   |
| Ashow ...             | 46  | No                               | 18   | 16      | 14   | 11   |  |                      | —  | —   |   |
| Baddesley Clinton ... | 53  | 1967                             | 12   | 3       | 14   | 19   |  |                      | 7  | 1   |   |
| Baginton ...          | 231   | 1953                             | 12   | 8       | 1  | —    |  |                      | —  | —   |   |
| Barford ...           | 363   | 1952                             | —  | —       | 15   | 21   |  |                      | —  | 27  |   |
| Beausale ...          | 75  | 1946*                            | No   | Service | 23   | 24   |  |                      | —  | —   |   |
| Blackdown ...         | 40  | No                               | No   | Service | 36   | 33   |  |                      | —  | —   |   |
| Bishops Tachbrook     | 380   | 1949                             | No   | Service | 8  | 11   |  |                      | —  | 34  |   |
| Bubbenhall ...        | 108   | 1965-6                           | 9  | —       | 28   | 10   |  |                      | 3  | 5   |   |
| Budbrooke ...         | 296   | No                               | 29   | 27      | 66   | 61   |  |                      | —  | 127   |   |
| Bushwood ...          | 9   | No                               | No   | Service | —  | —    |  |                      | —  | —   |   |
| Cubbington ...        | 1474  | 1952                             | —  | —       | 3  | 3    | 3  | —                    | —  | 30  |   |
| Eathorpe ...          | 38  | No                               | 26   | 24      | 2  | 2    |  |                      |  |   |   |
| Guy's Cliffe ...      | 1   | No                               | No   | Service | —  | —    |  |                      |  |   |   |
| Haseley ...           | 67  | No                               | —  | 2       | 54   | 64   |  |                      |  |   |   |
| Hatton ...            | 126   | 1960-1                           | 21   | 17      | 33   | 35   | 2  |                      | —  | —   |   |
| Honiley ...           | 18  | No                               | No   | Service | 20   | 29   |  |                      |  |   |   |
| Hunningham ...        | 68  | No                               | 31   | 28      | 23   | 25   |  |                      |  |   |   |
| Lapworth ...          | 547   | 1963-4                           | 78   | 60      | 157  | 159  | 2  | 2                    | 4  | 20  |   |
| Leek Wootton ...      | 221   | 1958-9                           | —  | —       | 14   | 13   |  |                      | 1  | 21  |   |
| Norton Lindsey        | 92  | No                               | —  | 16      | 107  | 114  |  |                      |  |   |   |
| Offchurch ...         | 98  | No                               | 21   | 21      | 28   | 28   |  |                      |  |   |   |
| Old Milverton         | 80  | 1965                             | No   | Service | 1  | 2    | 2  |                      | —  | —   |   |
| Radford Semele        | 519   | 1954-5                           | —  | —       | 11   | 12   |  |                      | 3  | 7   |   |
| Rowington ...         | 325   | 1963-4                           | 24   | 10      | 136  | 92   |  |                      | 9  |   |   |
| Sherbourne ...        | 45  | 1952                             | —  | —       | 6  | 3    | 1  |                      |  | 6   |   |
| Shrewley ...          | 269   | 1960-1                           | 2  | 13      | 33   | 30   |  |                      | 2  | 6   |   |
| Stoneleigh ...        | 419   | 1953                             | 50   | 62      | 44   | 41   |  |                      |  |   |   |
| Wappenbury ...        | 23  | No                               | 6  | 3       | 2  | 1    |  |                      |  |   |   |
| Wasperton ...         | 50  | Village<br>Drain<br>pre-<br>1900 | —  | —       | 9  | 15   |  |                      |  |   |   |
| Weston-u-Wetherley    | 91  | **                               | 10   | 4       | 13   | 17   |  |                      |  |   | 32  |
| Whitnash ...          | 1747  | 1957                             | —  | —       | 23   | 22   |  |                      | 2  | 78  |   |
| Wroxall ...           | 33  | No                               | 13   | 13      | 7  | 4    |  |                      |  |   |   |
| Other Districts       |   |                                  |  |         |  |      |  |                      |  |   |   |
| Kenilworth            |   |                                  |  |         |  |      |  |                      |  |   |   |
| Warwick               | —   |                                  | —  | —       | 45   | 54   |  |                      |  |   |   |
| Rugby                 |   |                                  |  |         |  |      |  |                      |  |   |   |
| Southam               |   |                                  |  |         |  |      |  |                      |  |   |   |
| Total ...             | 7952  |                                  | 362  | 327     | 976  | 955  | 10   | 2                    | 31   | 362   | 32  |

- Notes: (1) Column 1 Budbrooke includes 92 hospital houses all connected to existing private S.D.W.  
 (2) Column 1 Weston-under-Wetherley includes 13 hospital houses all to private S.D.W.  
 (3) Column 2 includes 96 rated caravans chiefly at Whitnash (80) and Stoneleigh (9).  
 (4) Units listed in columns (3) and (4) could not necessarily be connected to existing public sewers.  
 (5) \* Denotes R.D.C. Housing Disposal Works only.  
 (6) \*\* All R.D.C. properties in Weston-under-Wetherley are privately sewered to the private Hospital S.D. Works.



TABLE II.

## WARWICK RURAL DISTRICT.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1967  
AND PREVIOUS YEARS.

| YEAR. | Population estimated to Middle of each Year. | BIRTHS. |             | NETT DEATHS BELONGING TO THE DISTRICT. |                             |              |       |
|-------|--|---------|-------------|--|-----------------------------|--------------|-------|
|       |  | Nett.   |             | Under 1 Year of age.                   |                             | At all Ages. |       |
|       |  | Number. | Crude Rate. | Number.                                | Rate per 1,000 Nett Births. | Number.      | Rate. |
| 1     | 2  | 3       | 4           | 5                                      | 6                           | 7            | 8     |
| 1958  | 23,520                                       | 418     | 17.8        | 6                                      | 14.3                        | 316          | 13.4  |
| 1959  | 24,550                                       | 509     | 20.7        | 15                                     | 29.5                        | 272          | 11.1  |
| 1960  | 25,580                                       | 414     | 16.2        | 7                                      | 16.9                        | 289          | 11.3  |
| 1961  | 26,310                                       | 497     | 19.0        | 9                                      | 18.2                        | 264          | 10.0  |
| 1962  | 27,540                                       | 510     | 18.5        | 7                                      | 13.7                        | 321          | 11.3  |
| 1963  | 28,310                                       | 566     | 20.0        | 6                                      | 10.6                        | 265          | 9.4   |
| 1964  | 28,880                                       | 502     | 17.5        | 12                                     | 23.8                        | 296          | 10.3  |
| 1965  | 25,760                                       | 473     | 18.4        | 7                                      | 14.8                        | 278          | 10.8  |
| 1966  | 25,010                                       | 429     | 16.3        | 7                                      | 16.3                        | 301          | 12.0  |
| 1967  | 25,480                                       | 426     | 16.7        | 10                                     | 23.0                        | 324          | 12.7  |

## VITAL STATISTICS IN ENGLAND AND WALES, 1967.

## ENGLAND AND WALES.

*Birthrate, Deathrate, and Infantile Mortality during the Year 1967.*  
(Provisional Figures).

## Annual Rate per 1,000 Population.

|                   |     |     | Live Births. | Still Births per 1,000 Births. | Deaths. | Deaths under one year to 1,000 Births |
|-------------------|-----|-----|--------------|--------------------------------|---------|---------------------------------------|
| England and Wales | ... | ... | 17.2         | 14.8                           | 11.2    | 18.3                                  |

TABLE III.

## WARWICK RURAL DISTRICT.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING  
THE YEAR 1967.

| NOTIFIABLE DISEASE.   | Number of Cases notified. |                |         |          |           |           |           |                    | Total cases removed<br>to Hospital. |
|---|---------------------------|----------------|---------|----------|-----------|-----------|-----------|--------------------|-------------------------------------|
|   | At all Ages.              | At Ages—Years. |         |          |           |           |           |                    |                                     |
|   |                           | Under 1.       | 1 to 5. | 5 to 15. | 15 to 25. | 25 to 45. | 45 to 65. | 65 and<br>upwards. |                                     |
| Small-pox ... ..  | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Plague ... ..   | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Diphtheria (including Mem-<br>branous Croup) ... ..         | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Erysipelas ... ..   | 3                         | .....          | .....   | .....    | .....     | .....     | 3         | .....              | .....                               |
| Scarlet Fever ... ..  | 10                        | 1              | 1       | 8        | .....     | .....     | .....     | .....              | .....                               |
| Typhus Fever ... ..   | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Enteric Fever ... ..  | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Typhoid Fever ... ..  | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Pneumonia ... ..  | 4                         | .....          | .....   | 1        | .....     | .....     | 3         | .....              | .....                               |
| Malaria ... ..  | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Dysentery ... ..  | 14                        | .....          | 5       | 5        | .....     | 4         | .....     | .....              | .....                               |
| Puerperal Pyrexia ... ..                                    | 1                         | .....          | .....   | .....    | .....     | 1         | .....     | .....              | .....                               |
| Meningococcal Infection ... ..                              | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Acute Poliomyelitis (including<br>Polioencephalitis) ... .. | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Whooping Cough ... ..                                       | 23                        | 4              | 7       | 11       | 1         | .....     | .....     | .....              | .....                               |
| Encephalitis Lethargica ... ..                              | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Ophthalmia Neonatorum ... ..                                | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Measles ... ..  | 344                       | 13             | 184     | 147      | .....     | .....     | .....     | .....              | .....                               |
| Pulmonary Tuberculosis ... ..                               | 4                         | .....          | .....   | .....    | 1         | 2         | 1         | .....              | .....                               |
| Other forms of Tuberculosis ... ..                          | 2                         | .....          | .....   | .....    | .....     | 1         | .....     | 1                  | .....                               |
| Food Poisoning ... ..                                       | .....                     | .....          | .....   | .....    | .....     | .....     | .....     | .....              | .....                               |
| Totals ... ..   | 405                       | 18             | 197     | 172      | 2         | 8         | 7         | 1                  | —                                   |

TABLE IV.  
WARWICK RURAL DISTRICT.  
CAUSES OF DEATH DURING THE YEAR 1967.

| CAUSES OF DEATH.                                  | MALES. | FEMALES. |
|---|--------|----------|
| 1 Tuberculosis, respiratory ... ..                | 2      | —        |
| 2 Tuberculosis, other ... ..                      | 1      | —        |
| 3 Syphilitic disease ... ..                       | —      | —        |
| 4 Diphtheria ... ..                               | —      | —        |
| 5 Whooping cough ... ..                           | —      | —        |
| 6 Meningococcal infections ... ..                 | —      | —        |
| 7 Acute poliomyelitis ... ..                      | —      | —        |
| 8 Measles ... ..                                  | —      | —        |
| 9 Other infective and parasitic diseases          | 1      | —        |
| 10 Malignant neoplasm, stomach ... ..             | 3      | 3        |
| 11 Malignant neoplasm, lung, bronchus ...         | 11     | 1        |
| 12 Malignant neoplasm, breast ... ..              | —      | 2        |
| 13 Malignant neoplasm, uterus ... ..              | —      | 5        |
| 14 Other malignant and lymphatic neoplasms ... .. | 14     | 13       |
| 15 Leukaemia, aleukaemia ... ..                   | 3      | 2        |
| 16 Diabetes ... ..                                | 3      | 2        |
| 17 Vascular lesions of nervous system ...         | 28     | 21       |
| 18 Coronary disease, angina ... ..                | 30     | 18       |
| 19 Hypertension with heart disease ...            | —      | 2        |
| 20 Other heart disease ... ..                     | 7      | 17       |
| 21 Other circulatory disease ... ..               | 6      | 9        |
| 22 Influenza ... ..                               | —      | —        |
| 23 Pneumonia ... ..                               | 14     | 31       |
| 24 Bronchitis ... ..                              | 12     | 3        |
| 25 Other disease of respiratory system ...        | 3      | —        |
| 26 Ulcer of stomach and duodenum ... ..           | 1      | 2        |
| 27 Gastritis, enteritis and diarrhoea ...         | —      | —        |
| 28 Nephritis and nephrosis ... ..                 | —      | 2        |
| 29 Hyperplasia of prostate ... ..                 | 1      | —        |
| 30 Pregnancy, childbirth, abortion ...            | —      | —        |
| 31 Congenital malformations ... ..                | —      | 1        |
| 32 Other defined and ill-defined diseases         | 10     | 19       |
| 33 Motor vehicle accidents ... ..                 | 5      | 1        |
| 34 All other accidents ... ..                     | 5      | 8        |
| 35 Suicide ... ..                                 | 2      | —        |
| 36 Homicide and operations of war ...             | —      | —        |
| All causes ... ..                                 | 162    | 162      |





